**Algebra II Name:**

**Unit 1 Quiz 4 Function Families and Transformations Date:**

**Part 1:** Determine the type of function represented by the equation or graph. Choose from the following list: linear, quadratic, absolute value, exponential, square root, and reciprocal. **(9 points)**

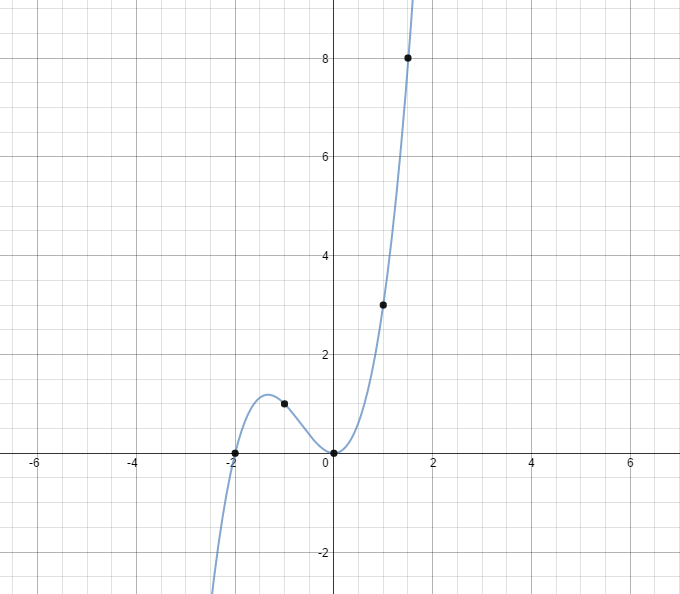
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| Function Type:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Function Type:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Function Type:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
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**Part 2:** Point *C* is on the graph of at (2, 5). If is transformed to , where will Point *C* be after the transformation? **(2 points)**

**A.** (-3, 0) **C.** (2, 10)

**B.** (-3, 5) **D.** (2, 0)

**Part 3:** Below is the graph of .



Graph the following transformations of . **(4 points each)**

|  |
| --- |
| Transformation: |

|  |
| --- |
| Transformation: |

|  |
| --- |
| Transformation: |